

# ENVIRONMENTAL Fact Sheet



29 Hazen Drive, Concord, New Hampshire 03301 • (603) 271-3503 • [www.des.nh.gov](http://www.des.nh.gov)

WD-WSEB-13-5

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## Slow Sand Filtration Facilities

The purpose of this document is to list all slow sand, surface water filtration facilities in New Hampshire. Slow sand filtration is an appropriate technology for meeting the filtration requirements of the US Environmental Protection Agency (EPA) surface water filtration rule.

A slow sand filtration facility typically has a minimum of two filter beds. The beds consist of uniformly fine sand, of approximate size 0.3 mm, supported on a gravel subbase with a network of under-drain collection pipes. The typical design loading rate is 0.05 gpm/ft<sup>2</sup>.

Operationally, a slow sand filtration plant requires less attention than other filtration technologies. Maintenance consists of removing solids from the top of the sand bed every few months. This removal is typically by hand. A few New Hampshire facilities clean the beds by harrowing and backwashing. These are shown with an asterisk. Other operational duties include testing for turbidity and bacteria, and disinfection using chlorine.

### FOR MORE INFORMATION

For an overall listing of water supply related fact sheets, please request DES fact sheet WD-WSEB-15-2. For a list of full water filtration facilities in NH please see WD-WSEB-13-2. Please call the DES's Water Supply Engineering Bureau at 271-3139 for more information. Drinking water fact sheets are available through the DES web site at: <http://www.des.nh.gov/wseb> then select **fact sheets**. We would appreciate your comments concerning this fact sheet.

Town	Owner	Operator	Capacity (mgd)	Population (People)	Start Up
Bartlett	Bartlett Vill. Water Prec. Box 67 PO Box 135 Bartlett, NH 03846	Scott Hayes PO Box 135 Jackson, NH 0846 383-4083	0.2	1,500	1995
Bethlehem	Bethlehem Water District General Delivery Bethlehem, NH 03574	Jon Bushway 869-5797 869-3440	0.5	1,500	1994
Canaan	Canaan Water Department	Joe Damour 428-3764	0.1	600	1989

	High Street, Box 137 Canaan NH 03741				
Gorham	Gorham Water and Sewer 8 Lower Main Street Gorham NH 03581	David Bernier 466-3105 466- 3302	1.0	3,700	1991
Hillsborough	Hillsborough Water Dept Box 7, School Street Hillsboro, NH 03244	Joe Damour 428-3764 464- 5213	1.0	2,000	1996
Lancaster	Lancaster Water Dept. 25 Main Street Lancaster, NH 03584	Tim Bildeau 788-3391	0.7	2,000	1996
Newport	Newport Water Dept. 15 Sunapee Street Newport, NH 03773	Larry Wiggins 863-4271	0.7	5,000	1993
Sunapee	Sunapee Water Dept. PO Box 347 Sunapee, NH 03872	Dave Brennan 763-2115	0.5	2,000	1998